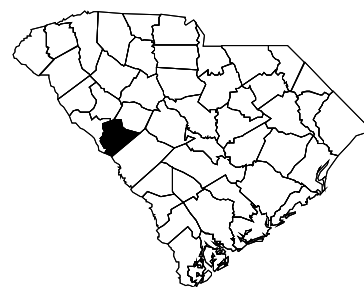


IMPACT OF CHRONIC CONDITIONS EDGEFIELD County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Edgefield county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Edgefield county's population is similar to the state's. The majority (41%) of the population in Edgefield county are between the ages of 18-44, and there are more males (53%) than females (47%). Edgefield county has a higher minority population (42%) than the state (31%). When adults in DHEC's Region 1 which includes Edgefield County, were asked about their general health status, 79.3% reported having excellent, very good, or good health in 2005 (SC was 82%).

	EDGEFIELD COUNTY	STATE
Population size	25,528	4,255,083
Age distribution (%)		
<18	22	24
18-44	41	38
45-64	27	25
65-84	9	11
85+	1	2
Race (%)		
White	58	69
Black & Other	42	31
Sex (%)		
Male	54	49
Female	46	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Edgefield County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	22
Sedentary lifestyle	31	26
Overweight	69	65
High Cholesterol	41	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	36.6	.	.	.	.	31.7
Number of hospitalizations	26	19	7	10	16	5,032
Crude rate of hospitalizations (per 100,000)	102	178	47	72	137	118
Median age of hospitalized patients	57	57	67	55	62	57
Total cost of hospitalization (\$)	628,700	272,300	356,400	189,500	439,200	109,400,500
Average length of hospital stay (days)	5	4	7	3	6	5
Number of ED visits	52	42	10	17	35	7,466
Crude rate of ED visits (per 100,000)	204	392	67	123	300	175
Median age of ED patients	57	55	65	57	57	52
Total cost of ED visits (\$)	55,900	35,800	20,100	19,400	36,500	9,929,000
Number of deaths**	8	7	1	4	4	423
Age-Adjusted Death rate (per 100,000)**	31	79	7	32	31	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	125	62	63	58	67	60,901
Crude rate of hospitalizations (per 100,000)	490	579	425	418	575	1,431
Median age of hospitalized patients	67	67	72	62	72	67
Total cost of hospitalization (\$)	2,321,200	1,027,400	1,293,800	1,387,600	933,600	2,286,836,400
Average length of hospital stay (days)	4	4	3	4	3	5
Number of ED visits	113	62	51	46	67	12,989
Crude rate of ED visits (per 100,000)	443	579	344	332	575	305
Median age of ED patients	67	67	72	62	72	62
Total cost of ED visits (\$)	279,700	176,000	103,700	116,400	163,300	42,115,900
Number of deaths**	61	25	36	34	27	9,328
Age-Adjusted Death rate (per 100,000)**	263	307	239	346	197	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	30	13	17	12	18	13,925
Crude rate of hospitalizations (per 100,000)	118	121	115	87	154	327
Median age of hospitalized patients	75	72	77	72	80	72
Total cost of hospitalization (\$)	588,400	317,900	270,500	282,600	305,800	384,441,600
Average length of hospital stay (days)	6	7	5	8	5	6
Number of ED visits	17	7	10	9	8	2,515
Crude rate of ED visits (per 100,000)	67	65	67	65	69	59
Median age of ED patients	77	77	80	77	77	67
Total cost of ED visits (\$)	58,400	22,000	36,400	35,000	23,400	9,113,000
Number of deaths**	8	-	8	2	6	2,440
Age-Adjusted Death rate (per 100,000)**	36	-	54	19	44	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	42	19	23	20	22	15,753
Crude rate of hospitalizations (per 100,000)	165	178	155	144	189	370
Median age of hospitalized patients	62	52	67	67	57	62
Total cost of hospitalization (\$)	347,700	154,400	193,300	143,600	204,100	268,425,300
Average length of hospital stay (days)	3	3	3	3	3	5
Number of ED visits	214	146	68	93	121	36,543
Crude rate of ED visits (per 100,000)	838	1,364	459	670	1,038	859
Median age of ED patients	25	12	42	12	32	37
Total cost of ED visits (\$)	184,900	118,800	66,100	91,400	93,500	40,613,700
Number of deaths**	14	5	9	10	4	1,968
Age-Adjusted Death rate (per 100,000)**	60	63	60	107	34	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.1	.	.	.	.	10.3
Number of hospitalizations	32	15	17	12	20	9,027
Crude rate of hospitalizations (per 100,000)	125	140	115	87	172	212
Median age of hospitalized patients	62	67	62	65	62	52
Total cost of hospitalization (\$)	265,200	119,600	145,600	103,900	161,300	179,747,700
Average length of hospital stay (days)	3	4	3	3	3	6
Number of ED visits	63	45	18	27	36	9,603
Crude rate of ED visits (per 100,000)	247	420	121	195	309	226
Median age of ED patients	57	57	60	52	62	52
Total cost of ED visits (\$)	111,600	72,900	38,700	48,300	63,300	13,447,300
Number of deaths**	3	2	1	-	3	1,183
Age-Adjusted Death rate (per 100,000)**	12	26	5	-	21	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	31	16	15	13	18	16,389
Crude rate of hospitalizations (per 100,000)	121	150	101	94	154	385
Median age of hospitalized patients	62	52	67	62	47	62
Total cost of hospitalization (\$)	852,900	420,000	432,900	251,800	601,100	664,309,500
Average length of hospital stay (days)	5	6	4	4	6	8
Number of deaths**	59	19	39	33	26	8,617
Age-Adjusted Death rate (per 100,000)**	255	239	254	346	196	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	1	-	2,070
Crude rate of hospitalizations (per 100,000)	4	9	-	7	-	49
Median age of hospitalized patients	57	57	-	57	-	67
Total cost of hospitalization (\$)	34,600	34,600	-	34,600	-	101,377,700
Average length of hospital stay (days)	10	10	-	10	-	10
Number of deaths**	4	2	2	2	2	812
Age-Adjusted Death rate (per 100,000)**	18	24	14	25	13	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	5	1	-	6	1,228
Crude rate of hospitalizations (per 100,000)	51	102	15	-	17	56
Median age of hospitalized patients	75	77	70	-	75	62
Total cost of hospitalization (\$)	147,000	127,600	19,400	-	147,000	26,163,000
Average length of hospital stay (days)	7	7	4	-	7	3
Number of deaths**	8	3	5	-	8	651
Age-Adjusted Death rate (per 100,000)**	64	66	61	-	64	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	9	27	-	-	9	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	-	3	-	3	2,181
Crude rate of hospitalizations (per 100,000)	12	-	20	-	26	51
Median age of hospitalized patients	82	-	82	-	82	67
Total cost of hospitalization (\$)	33,700	-	33,700	-	33,700	92,775,300
Average length of hospital stay (days)	6	-	6	-	6	9
Number of deaths**	15	3	12	11	4	2,703
Age-Adjusted Death rate (per 100,000)**	64	38	79	115	26	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	3	3	6	-	1,209
Crude rate of hospitalizations (per 100,000)	43	52	37	8	-	58
Median age of hospitalized patients	67	62	77	67	-	62
Total cost of hospitalization (\$)	88,000	64,600	23,400	88,000	-	30,356,600
Average length of hospital stay (days)	3	3	2	3	-	4
Number of deaths**	3	-	3	3	-	460
Age-Adjusted Death rate (per 100,000)**	38	-	60	38	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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